

TNC^{2.0}

N-type Half-cell Bifacial Module (66)

TWMNF-66HD



Higher power generation, lower LCOE



Higher power output, higher conversion efficiency

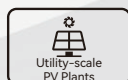


Enhanced reliability performance

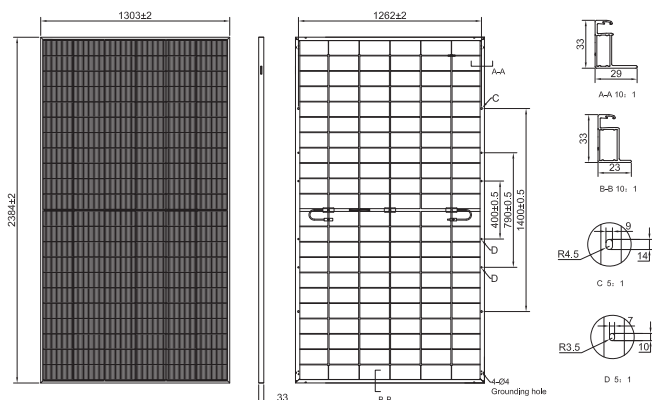


Higher bifaciality, superior energy yield

730-750W



Drawings (Unit: mm)



Mechanical Parameters

Cell Type	TNC
Cell Orientation	132 [6×22]
Dimension	2384±2×1303±2×33mm
Weight	37.3 kg
Front Glass	2.0 mm AR coating semi tempered glass
Rear Glass	2.0 mm semi tempered glass
Frame	Anodized aluminum alloy frame
Junction Box	IP68, 3 diodes
Cable	4.0 mm ²
Cable Length	+400 mm, -200 mm or ±1,400 mm; length can be customized
Maximum Static Test Load	5,400 Pa (front) / 2,400 Pa (rear)
Packaging (Per pallet)	33 pcs
Packaging	594 pcs per 40'HC

Electrical Characteristics (STC)

Module type: TWMNF-66HDXXX

Maximum Power: P _{max} [W]	730	735	740	745	750
Open Circuit Voltage: V _{oc} [V]	49.55	49.65	49.80	49.95	50.10
Short Circuit Current: I _{sc} [A]	18.68	18.75	18.81	18.87	18.93
Voltage at Maximum Power: V _{mp} [V]	41.37	41.53	41.69	41.86	42.02
Current at Maximum Power: I _{mp} [A]	17.65	17.70	17.75	17.80	17.85
Module Efficiency: η [%]	23.5	23.7	23.8	24.0	24.1

*STC: Irradiance = 1000W/m²; Cell temperature = 25°C; AM = 1.5, Power measurement tolerance: ±3%

Electrical characteristics with different rear side power gain

Maximum Power: P _{max} [W]	766	771	777	782	787
Efficiency: η [%]	24.7	24.8	25.0	25.2	25.3
Maximum Power: P _{max} [W]	839	845	851	856	862
Efficiency: η [%]	27.0	27.2	27.4	27.6	27.7
Maximum Power: P _{max} [W]	912	918	925	931	937
Efficiency: η [%]	29.4	29.6	29.8	30.0	30.2

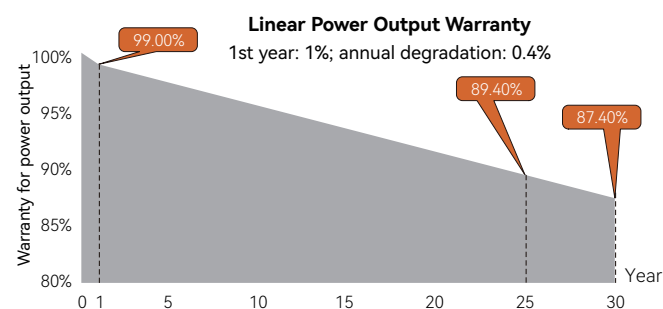
Temperature Rating

Temperature Coefficient of P _{max}	-0.28%/°C
Temperature Coefficient of V _{oc}	-0.24%/°C
Temperature Coefficient of I _{sc}	+0.046%/°C

Operating Parameters

Operating Temperature	-40°C~+85°C
Maximum System Voltage	1500V DC
Maximum Series Fuse Rating	35A
Power Output Tolerance	0~+3%
Bifaciality	80±5%

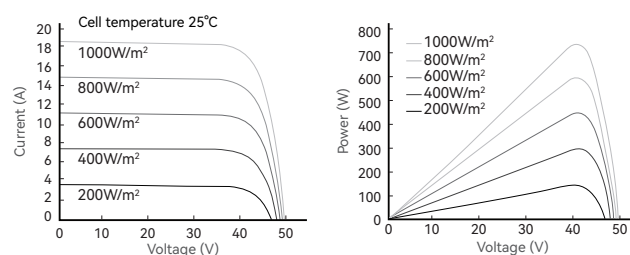
Warranty



12 12-Year Material and Workmanship Warranty

30 30-Year Linear Power Output Warranty

Curve



Certifications

Quality Management System and Product Certification

ISO9001:2015/Quality Management System
ISO14001:2015/Environmental Management System
ISO45001:2018/Occupational Health and Safety Management System
ISO50001:2018 / Energy Management System
IEC 61215 / IEC 61730, IEC TS 62804,
IEC 61701, IEC 62716, IEC 60068-2-68



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